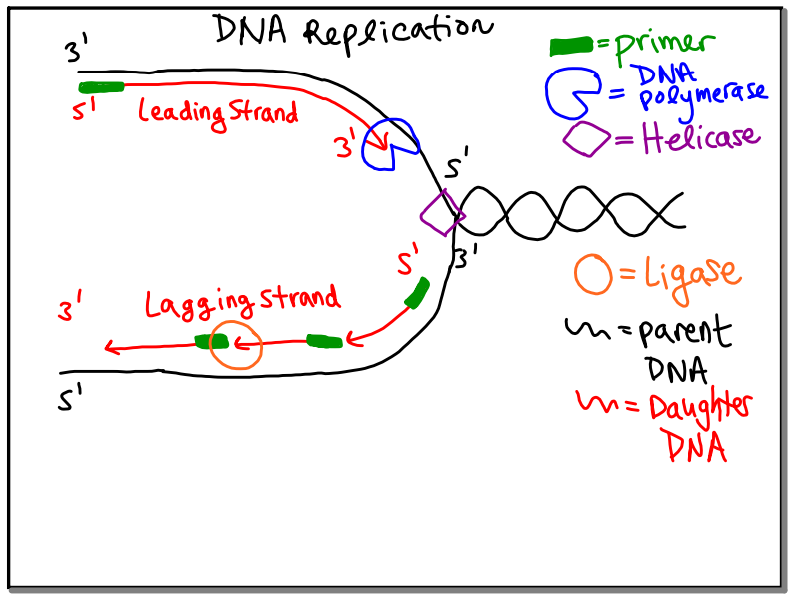
**DNA Replication “Thing Links”**

Ms. Ottolini, PreAP Biology

Group Member Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group #: \_\_\_\_\_\_\_\_\_\_

**Directions:**

* Go to the following web address… https://www.thinglink.com/login
* Type in the email address / username and password given to you by Ms. Ottolini
* Once you are logged in, make sure you are on the “Stream” tab located at the top of the page. You should see an image titled “DNA Replication – Pre AP Biology”. Click on this image. (Note: The image is given to the right for reference.)
* In the top right corner of the image display, click “Remix.”
* Once your computer has opened the Remix version of your image, you can click anywhere on the image to add a “Tag.”
* You will tag various parts of the image. Once you have created a tag, type an explanation for your tag in the “Text” box on the left side of the screen. Click the green “Save Tag” button at the bottom left when you are finished.
* For example, if you tagged the enzyme helicase, your explanation might read as follows…

“Helicase is the enzyme used to unzip the DNA double helix by breaking hydrogen bonds between complementary base pairs.”

* Once you are done completing all required tags, click “Save” in the bottom right corner.
* To send me the link to your image, click “Share” on the right side. Copy and paste the link (NOT the text in the “Embed” box). Send it to me in an email. My email address is [ottolike@pwcs.edu](mailto:ottolike@pwcs.edu) .

**Required Tags and Scoring Guide:**

|  |  |  |
| --- | --- | --- |
| **#** | **Tag** | **Points Possible** |
| 1 | Helicase (Note: you won’t be given points for this one because it is given in the example above.) | N/A |
| 2 | DNA Polymerase…Make sure to mention which direction (5’ to 3’ or 3’ to 5’) it “reads” the parent strand vs. “builds” the daughter strand. | /3 |
| 3 | Ligase | /2 |
| 4 | Primer / Primase | /2 |
| 5 | Leading Strand… Make sure to mention in which direction (into the replication fork or out of the replication fork) this strand is created and whether it is created continuously or in “chunks” | /2 |
| 6 | Lagging Strand… Make sure to mention in which direction (into the replication fork or out of the replication fork) this strand is created and whether it is created continuously or in “chunks” | /2 |
| 7 | Replication Fork | /1 |

**Total Points: \_\_\_\_\_/12**